

# MWF-PLUS WS GEN 14

WATER SOLUBLE METALWORKING FLUIDS (GENERAL MACHINING)

322503001

**DYADE**  
LUBRICANTS



## HIGH-PERFORMANCE MULTI-METAL SEMI-SYNTHETIC COOLANT

This product is a state-of-the-art semi-synthetic metalworking fluid, devoid of formaldehyde, engineered for superior performance. Its advanced formulation offers exceptional biological resistance, eliminating the need for additional biocides or fungicides. Enhanced with ester-based additives, MWF-PLUS WS GEN 14 ensures extended operational life and optimal lubrication, safeguarding both operator well-being and machinery against corrosion. Engineered for versatility, MWF-PLUS WS GEN 14 excels in a broad spectrum of machining tasks across various metals including steel of all grades, cast iron, aluminum, copper, and brass. It is ideally suited for both centralized systems and individual machine applications. MWF-PLUS WS GEN 14 is formulated for ease of mixing. Directly add the concentrate to water at the recommended ratio and stir well. Water hardness should range from 50 ppm to 800 ppm CaCO<sub>3</sub>, with chloride levels maintained below 100 ppm. General machining processes should utilize a concentration between 5% and 6%, while

more demanding tasks and alloyed steels may require 7% to 9%. Concentration levels can be accurately determined using a refractometer, with the formula: % Concentration = Refractometer Reading x 1.6.

## CATEGORY

- Metalworking Fluids

## BENEFITS

- Prominent anti-corrosive capabilities
- Infused with volatile corrosion inhibitors for added protection
- Superior cooling efficiency for optimal performance
- Prolonged service lifespan, ensuring economic efficiency
- Free from boron, formaldehyde, nitrites, and chlorine, promoting a safer working environment
- Prevents the accumulation of sticky residues on machinery, maintaining clean operations
- Cost-effective solution contributing to increased tool durability
- Exhibits excellent cleaning properties, ensuring machinery cleanliness
- Aligns with health and environmental standards, ensuring a safer workplace

PROPERTY	METHOD	VALUE
Neat	Appearance	Amber liquid
Neat	Density at 20°C, kg/m <sup>3</sup>	1010
Neat	Sodium Nitrite	Free
Neat	Chlorine content	Nil
5% Emulsion tap water 150 ppm	Appearance	Milky translucent
5% Emulsion tap water 150 ppm	pH	9.8 ± 0.2
5% Emulsion tap water 150 ppm	Corrosion test IP-287	No corrosion
5% Emulsion tap water 150 ppm	Foam	Low
5% Emulsion tap water 150 ppm	Stability	Good

All data on this technical data sheet is indicative only

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